

(19) Japan Patent Office (JP)

(12) Japanese Unexamined Utility Model Registration
Application Publication (U)

(11) Publication No.: 5-70955

(43) Publication Date: September 24, 1993

(51) Int. Cl.⁵: B41J 29/00

H01R 4/64

H05K 9/00

Reference No.: 4229-5E

7128-4E

8804-2C

Number of Claims: 1 (total 3 pages)

Request for Examination: not made

(21) Application No.: 4-10269

(22) Application Date: March 3, 1992

(71) Applicant: 000002369

Seiko Epson Corporation

2-4-1, Nishi-Shinjuku, Shinjuku-ku,

Tokyo

(72) Inventor: Tatsuo Moriya

c/o Seiko Epson Corporation

3-3-5, Owa, Suwa-shi, Nagano-ken

(74) Agent: Kisaburo Suzuki (Patent Attorney)

and one other

(54) Title of the Invention: Electronics device

[Claims]

[Claim 1]

An electronics device, comprising:

a main board;

an added board to be slidably inserted from the outside of the main board;

a right angle type connector for connecting the added board to the main board;

a shield plate which covers substantially the entire of the added board; and

a grounding spring which is interposed between the connector and a ground pattern of the main board, and is in contact with the shield plate at the time of inserting the added board.

[Brief Description of the Drawings]

[Fig. 1] Fig. 1 is a perspective view showing an electronics device according to an embodiment of the invention.

[Fig. 2] Fig. 2 is a cross-sectional view showing an electronics device according to the embodiment of the invention.

[Fig. 3] Fig. 3 is a cross-sectional view showing the method of connecting/separating a grounding spring 4 to/from a connector 5.

[Reference Numerals]

- 1: MAIN BOARD
- 2: ADDED BOARD
- 3: SHIELD PLATE
- 4: CONNECTING SPRING
- 5: CONNECTOR
- 6: SLIDE RAIL
- 7: BRACKET
- 8: CONNECTOR
- 9: COVER
- 10: TUNING PEG
- 11: TUNING PEG
- 12: GROUNDING TAG
- 13: GROUNDING SPRING

(11) 实用新案出願公開番号

実開平5-70955

(43)公開日 平成5年(1993)9月24日

(51)Int.Cl.⁶

識別記号

庁内整理番号

FI

技術表示箇所

B 4 1 J 29/00

H O I R 4/64

H 0 5 K 9/00

A 4229-5E

F 7128-4E

8804-2C

B 4 1 J 29/ 00

S

審査請求 未請求 請求項の数1(全 3 頁)

(21)出願番号

實願平4-10269

(22)出願日

平成4年(1992)3月3日

(71)出願人 000002369

セイコーエプソン株式会社

東京都新宿区西新宿2丁目4番1号

守尾 達雄

(72)考案者 守屋 達雄

長野県諏訪市大和3丁目3番5号セイコー

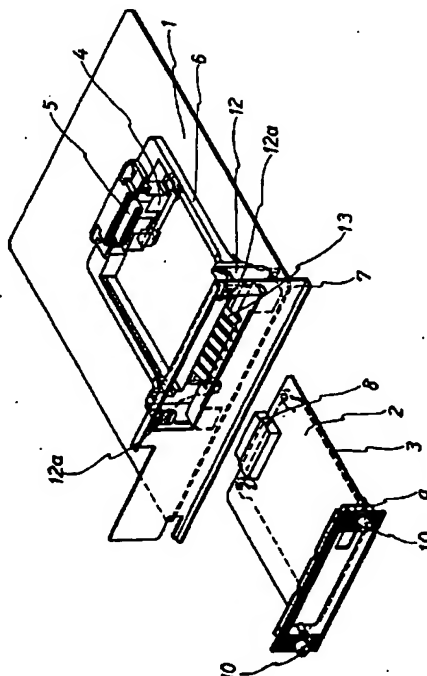
エプソン株式会社内

弁理士 鈴木 喜三郎 (外1名)

(74)代理人 弁理士 鈴木 喜三郎 (外1名)

(54)【考案の名称】 電子機器

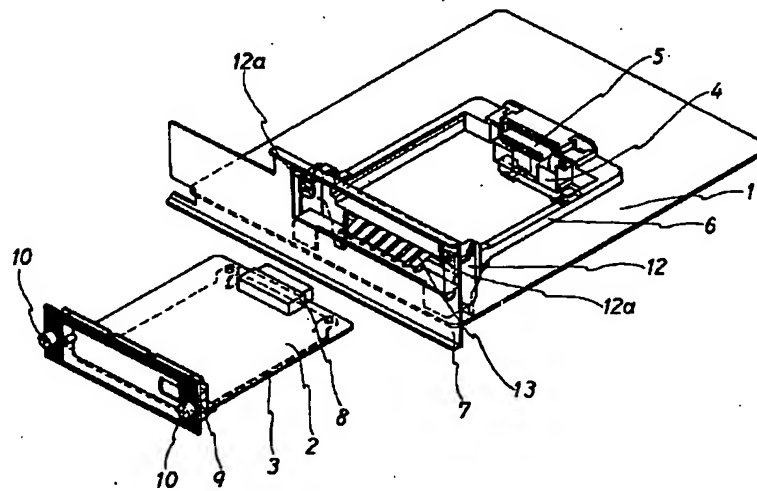
.....



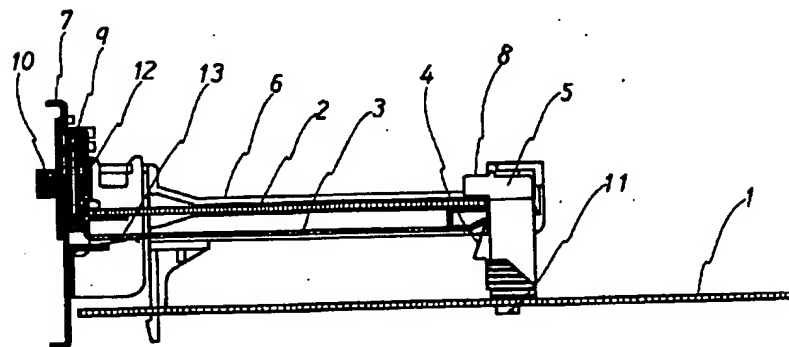
.....

A grid of 10 rows of dots for handwriting practice. The first 8 rows are solid black dots. The 9th row has some dots replaced by horizontal lines. The 10th row has some dots replaced by horizontal lines.

• • • • •



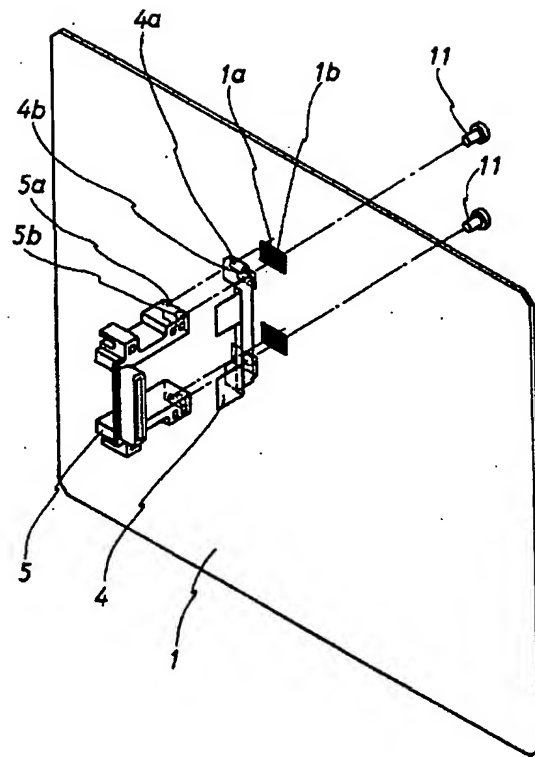
• • • • •



...

.....

.....



...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

..

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

...

.....

• •

.....

.....

.....

• • • • •

.....

.....



.....

.....

.....

...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

...

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....